

Washington Aqueduct Future Treatment Alternatives Study

PANEL OF EXPERTS



Dr. Phil Singer, Chair
University of North Carolina

Dr. Singer has a BS in civil engineer from The Cooper Union, an MS in sanitary engineering from Northwestern University, and a PhD in environmental sciences and engineering from Harvard University. Dr. Singer was head of the Water Resources Engineering Program at the University of North Carolina for 19 years and currently directs UNC's Drinking Water Research Center. His research has focused on aquatic chemistry and chemical aspects of water and wastewater treatment. Dr. Singer is the president of the Association of Environmental Engineering and Science Professors Foundation and the 2009 recipient of the Pioneer Award from the Water Environment Federation in recognition of his outstanding contribution to the chlorine disinfection field.



Joel Bluestein
ICF International

Mr. Bluestein is a senior vice president of ICF international. He holds a mechanical engineering degree from the Massachusetts Institute of Technology and is a registered professional engineer. He is a nationally recognized expert on the impacts of environmental and energy regulation, with over 30 years of experience in the energy and environmental arenas. Mr. Bluestein has been directly involved in the development of most of the recent emission trading programs and participates in the national debate on new environmental policies and their energy implications. Has testified before Senate Environment and Public Works Committee on natural gas supply issues and their implications for multi-pollutant regulation of the electric generating sector.



Plato Chen
Washington Suburban Sanitary Commission

Mr. Chen is a Senior Scientist in the Washington Suburban Sanitary Commission's (WSSC) Environmental Group. He has been at WSSC for nearly 9 years, and prior to that worked as an environmental engineering consultant with O'Brien & Gere Engineers. He has almost 20 years of experience specializing in water treatment process and distribution system engineering and optimization as well as source water protection. He has a BS in chemical engineering and an MS in environmental engineering, both from the University of Michigan. He is a licensed PE in the State of Maryland.



Mike Hotaling
Newport News Waterworks

Mr. Hotaling is the manager of water production and treatment, laboratory, SCADA and distribution systems for the City of Newport News Waterworks. He has extensive experience in Federal and State regulations pertaining to drinking water in the treatment plant and distribution system. He has presented several papers at national conferences related to the implementation of drinking water rules. He is a licensed PE in the State of Virginia.



Dr. Steve Hrudey
University of Alberta

Dr. Hrudey is currently a professor of environmental health sciences in the Department of Public Health Sciences at the University of Alberta. He received a bachelor's degree from the University of Alberta in Edmonton and a master's degree and a doctorate from the University of London. Chair of the NATO Priority Panel on Environmental Security, Dr. Hrudey has more than 30 years experience in interdisciplinary environmental health research and is coauthor of the book, Safe Drinking Water: Lessons from the Recent Outbreaks in Affluent Nations.



Dr. Kimberly Jones
Howard University

Dr. Kimberly L. Jones is Professor of Civil Engineering at Howard University. She received her Bachelor's degree in Civil Engineering from Howard University, her Masters from the University of Illinois in Champaign, IL and her Ph.D. from The Johns Hopkins University. Dr. Jones has over 15 years of combined experience in developing membrane processes for environmental and biomedical applications, physical-chemical processes for water and wastewater treatment and nanotechnology. She has been on the faculty at Howard University since 1996. Dr. Jones has received awards from the National Technical Association, University of Illinois Department of Civil Engineering and Essence Magazine. She is on the Water Science and Technology Board and has served on several committees of the National Academy of Sciences, on the Board of Directors of the Association of Environmental Engineering and Science Professors and as an associate editor of the Journal of Environmental Engineering.



Dr. Audrey Levine
US EPA

Dr. Levine is currently the EPA's national program director for drinking water. She has a doctorate in civil engineering from the University of California at Davis, and a master's degree in Public Health from Tulane University. She has extensive research experience in water quality, water treatment and distribution systems, treatment technologies, and water reuse. Prior to joining the EPA, she was a faculty member of the Department of Civil and Environmental Engineering at the University of South Florida in Tampa. She is a Diplomat of Environmental Engineering (DEE) and a registered professional engineer (P.E.). She has more than 20 years of broad-based, technical experience within academic, government, industry, and consulting settings.



Dr. Alexa Obolensky

Alexa Obolensky has extensive experience implementing source water and drinking water monitoring projects for research programs on emerging contaminants, disinfection byproducts, and related water quality issues. She has expertise in areas of data analysis, statistics, modeling, and management and handling of large data sets, including database design. Alexa has been active in technical support for drinking water regulatory programs since 1998, including support for the Stage 2 DBP Rule and CCL programs. As a chemist with the Philadelphia Water Department (PWD) for 15 years, Alexa supervised laboratory research programs, supported operational research initiatives with expertise on chemical issues, established laboratory method capabilities for DBPs, and managed the utility's emerging contaminant program. She recently left PWD to become an independent consultant. Alexa has published numerous peer-reviewed manuscripts and book chapters and co-edited a book on results from Information Collection Rule data analysis for Stage 2 rule development. She currently serves on the Water Research Foundation's Expert Panel for the EDC/PPCP Strategic Initiative. Alexa received her M.S. and Ph.D. in Environmental Chemistry from the University of North Carolina at Chapel Hill.



Dr. Vern Snoeyink
University of Illinois

Dr. Snoeyink holds a BS in civil engineering, a MS in sanitary engineering, and a PhD in water resources engineering, all from the University of Michigan. He is a Professor Emeritus of the department of Civil and Environmental Engineering at the University of Illinois. Dr. Snoeyink's research has focused on drinking water quality control, especially in the fields of organic and inorganic contaminant adsorption, as well as distribution system water quality. Dr. Snoeyink served as President of the Association of Engineering and Science Professors and currently is on the Editorial Advisory Board of AQUA. He has received number awards for his research, including the Association of Environmental Engineering and Science Professors Distinguished Lectureship and the Research Award from the American Water Works Association.



Dr. Scott Summers
University of Colorado

Dr. Summers is a professor in the Department of Civil, Environmental and Architectural Engineering at the University of Colorado. He holds a BS in civil engineering and an MS in environmental engineering from the University of Cincinnati, and a PhD in environmental engineering and science from Stanford University. He has over 34 years of experience in the field of environmental engineering. His main research interests are in the area of drinking water quality and treatment with special interest in natural organic matter, disinfection by-products, micro-pollutants, inorganics and taste and odor as related to activated carbon, filtration, membrane processes, ion exchange, coagulation, biological treatment, disinfectant behavior and distribution systems. He has co-authored over 200 articles on drinking water quality and treatment.